

### Abstract of the Disclosure

A gray voltage generation circuit for driving a liquid crystal display rapidly

- 5    outputs an altered gray voltage so that a source driving circuit can charge liquid crystal capacitors constructed in a liquid crystal panel in a short period of time. In response to the gray voltages from the gray voltage generation circuit, while driving a positive polarity, the source driving circuit generates a liquid crystal driving voltage of higher level than the existing liquid crystal driving voltage when applying a gate clock signal of
- 10   high level, and generates a liquid crystal driving voltage of a level similar to the existing liquid crystal driving voltage when applying a gate clock signal of low level. And, while driving a negative polarity, the source driving circuit generates a liquid crystal driving voltage of lower level than an existing liquid crystal driving voltage when applying a gate clock signal of high level, and generates a liquid crystal driving voltage of a level similar
- 15   to the existing liquid crystal driving voltage when applying a gate clock signal of low level.